



Directions for Setting Remote Controlled Shade Motor Limits

14-CHANNEL REMOTE

Directions to Link and Set Limits

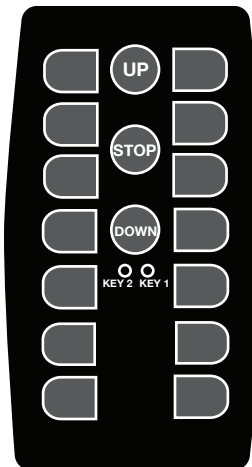
If you do not have the two small holes drilled in the face of your 14-channel remote, the cover of the remote must be removed for Key 1 and Key 2 access.

- Select the button on the 14 channel remote you want to link the shade to.
- Start the motor beeping by holding the learning button at the shade until it just starts beeping, then release.
- Link with Key 2 on the Remote: While motor is beeping, press and hold Key 2 (left hand button) to link remote to the motor. A *Chirp* will be heard if successful. *NOTE: In rare cases, Key 1 will marry the remote to the shade. Try this only after several attempts are made using Key 2 above with no results.*
- Program with Key 1 on the remote: Press and hold Key 1 (right hand button) to get into the program mode. You will hear the motor *Chirp*.
- Confirming the upper and lower limits: Lower the shade with the **DOWN** button and manually stop it by pressing the **STOP** button where you want the lower limit to be set. Note: You can bump the shade up or down (1/2" at a time) once you stop the initial movement of the shade as it first travels up or down. This allows you to accurately set the limit where you want the shade to stop. When you have the shade positioned properly, press Key 2 to confirm that limit. A *Chirp* should be heard.
- Using the **UP** button, move the shade to the upper stop position and manually stop the shade by pressing the **STOP** button. Bump the shade up or down to position it correctly and, again, press Key 2. You are now out of the programming mode.
- Test the shade limits: start by pressing the **DOWN** button on the 14-channel remote and keep your finger near the **STOP** button. If the shade does not stop at the limit you set, stop it manually. If the shade stops at the limit properly, press the **UP** button and test the upper stop point. Again, Be sure to keep your finger near the stop button in case the limit is exceeded. If the upper and lower stop points work properly, you are done.
- *NOTE: If the shade goes UP when you push the DOWN button, you can easily change the direction of the motor by holding the STOP button for that shade and then pushing Key 1, together, until the motor Chirps. The motor should now be reversed. Test the shade to be sure it is correct.*

If you need to link the shade to the **All Night** or **All Day** button on a 14-channel remote, press the **All Night/Day** button on the remote. Hold the learning button on the shade you want to link until it just starts to beep and release it. Press Key 2 on the 14-channel remote to link to the remote. If the limits were set previously, those parameters are stored in the motor at the shade, so no more programming is necessary.

Note: If you need to clear a motor of all its limits, hold the learning button for that shade for three sets of a series of beeps. The series will sound like, "beep, beep, beep-beep- beep. All previous limits will now be removed and you MUST manually stop the shade.

To un-link a shade for either the 2-channel or 14-channel remote: hold learning button on the shade for 1 beep cycle (beep, beep, beep-beep-beep), you can then re-link to another button. The shade will un-link from all buttons (individual and all).



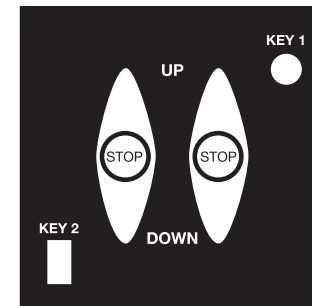
2-CHANNEL REMOTE

You must remove the face-plate of the 2-channel remote to access the two keys. Use a paper clip, toothpick or similar to push the Key 1 and Key 2 buttons.

Note: You may not be able to link a new shade motor with an old remote if the remote number is Model SF-012.

New Motor: New Remote

- Link the shade to the remote: Press the **UP** button, **STOP**, or **DOWN** button on the side of the remote you want associated with the shade you are going to link to.
- Start the motor beeping by holding the learning button at the shade until it just starts beeping, then release. Press and hold Key 1 on the 2-channel remote to link the shade to the remote. If successful, the motor will emit a *chirping* sound. The channel is now linked to the shade. Release Key 1.
- Go into program mode with Key 2: momentarily press the **STOP** button on the remote on the side you want to program, then press and hold Key 2 to get into the program mode until the motor *Chirps*, signifying that you are now in the program mode.
- Confirming the upper and lower limits: lower the shade with the **DOWN** button and manually stop it by pressing the **STOP** button where you want the lower limit to be set. *Note: You can bump the shade up or down (1/2" at a time) once you stop the initial movement of the shade as it first travels up or down. This allows you to accurately set the limit where you want the shade to stop. When you have the shade positioned properly, press and hold Key 1 to confirm that limit until a Chirp is heard, then release.*
- Using the **UP** button, move the shade to the upper stop position and manually stop the shade by pressing the **STOP** button. Bump the shade up or down to position it correctly and, again, press Key 1. You are now out of the programming mode.
- Test the shade limits: start by pressing the **DOWN** button on the 2-channel remote and keep your finger near the **STOP** button. If the shade does not stop at the limit you set, stop it manually. If the shade stops at the limit properly, press the **UP** button and test the upper stop point. Again, Be sure to keep your finger near the stop button in case the limit is exceeded. If the upper and lower stop points work properly, you are done.
- *NOTE: If the shade goes up when you push the DOWN button, you can easily change the direction of the motor by holding Key 2 and then pushing the STOP button for that shade, together, until the motor Chirps. The motor should now be reversed. Test the shade to be sure it is correct.*



If you want to link the shade to the **All Night** or **All Day** button on a 2-channel remote, momentarily press the **STOP** button on the side of the remote that you want to link the shade to. Hold the learning button on the shade you want to link until it just starts to beep and release it. Press Key 1 on the 2-channel remote to marry to the remote and hold until it *Chirps*. If the limits were set previously, those parameters are stored in the motor at the shade, so no more programming is necessary.

Note: If you need to clear a motor of its limits, hold the learning button for that shade for three sets of a series of beeps. The series will sound like, "beep, beep, beep-beep-beep-beep". All previous limits will now be removed and you MUST manually stop the shade. You now must also re-link the shade to the remote (see above instructions).



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REMOTE MOTOR TROUBLESHOOTING

SYMPTOMS

POSSIBLE CAUSE

REMEDY

Motor runs but stops every couple of inches

1. Lost memory
2. Failed motor

1. Reprogram using instructions
2. Replace motor with a new one

Motor will not move

1. Coach battery low or no power
2. Remote control battery low or dead
3. Shorted wire
4. Lost memory
5. Failed motor

1. Start coach and let it charge
2. Replace battery in the remote
3. Locate shorted wire and repair
4. Reprogram using instructions
5. Replace motor with new

Motor “clicks” when you try to operate up or down

1. Failed motor

1. Replace motor

TROUBLESHOOTING PROCEDURE FOR REMOTE CONTROLLED MOTOR

1. Verify the voltage applied to the motor. Voltage should be between 11.0 and 13.6 volts DC. The positive wire is identified by large lines on the insulation. If the voltage is low, charge the chassis or coach batteries and retry the motor operation. Voltage can be verified in the disconnect/butt splices in the shade motor wiring leads. Verify positive and negative voltage (both up and down directions) from the switch.
2. If the shade fails to move, attempt to reset the motor by pressing and holding the learning button. The motor should beep. If the motor does not beep, verify that the power is going to the motor. If power for the shade is not present, please correct the power problem.
3. Refer to the back of this guide and follow the directions to link the shade motor to your model of remote controller.
4. If a shade motor fails to link to the remote controller, try to use a spare button on your 14-Channel or 2-Channel remote controller. If the motor links to the remote controller on an alternate button, please contact MCD for assistance.
5. If the motor will not program to any button on any remote controller, the batteries have been replaced, and correct voltage has been verified, please contact MCD for assistance.

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